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FINE CRYSTAL SILICON (54) PRODUCTION OF THIN

(57) Abstract:

purity and a gaseous Si material such bringing hydrogen atoms having high crystal Si film having a large crystal in a reaction vessel contg. The heated gas gaseous monosilane into reaction grain size and good quality without PURPOSE: To form a thin fine lattice distortion on a substrate by

supplied into the vessel through a 6 heated to 50W350°C by a heater 7. quality on the surface of the substrate supplied into the reaction vessel 5. and thereafter the hydrogen atoms are removed by an impurity remover 3 stage of the generation thereof are concn. by a hydrogen atoms in the reactively are generated to a high atoms having high chemical gaseous H2 introducing port 1 and thin fine crystal Si film having the hydrogen atoms thereby forming the vessel 5 so as to react with the material introducing port 4 into the is supplied through a gaseous raw gaseous disilane or gaseous trisilane material such as gaseous monosilane, On the other hand, the gaseous Si raw the electrically neutral hydrogen CONSTITUTION: Gaseous H2 is large crystal grain size and good

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